



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

## \*BIBDATASHEET\*

CONFIRMATION NO. 6188

Bib Data Sheet

SERIAL NUMBER 10/665,091	FILING OR 371(c) DATE 09/16/2003 RULE	CLASS 360	GROUP ART UNIT 2627	ATTORNEY DOCKET NO. 16869G-086600US
-----------------------------	--	--------------	------------------------	---

## APPLICANTS

Shuichi Kojima, Fujisawa-shi, JAPAN;  
 Norihiro Ookawa, Fujisawa-shi, JAPAN;  
 Koji Okazaki, Fujisawa-shi, JAPAN;  
 Yasunobu Yanagisawa, Fujisawa-shi, JAPAN;  
 Akira Morinaga, Fujisawa-shi, JAPAN;

## \*\* CONTINUING DATA \*\*\*\*\*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

JAPAN 2002-278326 09/25/2002

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 12/05/2003

Foreign Priority claimed	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY JAPAN	SHEETS DRAWING 17	TOTAL CLAIMS 22	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature _____ Initials _____				

## ADDRESS

20350

## TITLE

MAGNETORESISTIVE SENSOR WITH RANDOM CRYSTAL ORIENTATION UNDERLAYER AND MAGNETIC DOMAIN CONTROL FILM CENTER ALIGNED WITH FREE LAYER

CWC  
10-27-06

FILING FEE RECEIVED 916	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
----------------------------	---	---